Refine Search

Search Results -

Terms	Documents
L3 with (michaelis or Km)	18

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IBM Technical Disclosure Bulletins

Search:

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US Pre-Grant Publication Full-Text Database



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Search History

DATE: Friday, March 12, 2004 Printable Copy Create Case

Set Name	Query	Hit Count	
side by side			result set
DB=PGF	PB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YE	S; OP=ADJ	
<u>L4</u>	L3 with (michaelis or Km)	18	<u>L4</u>
<u>L3</u>	L2 with creatine	161	<u>L3</u>
<u>L2</u>	creatine amidinohydrolase or creatinase	230	<u>L2</u>
DB = USP	T; PLUR=YES; OP=ADJ		
<u>L1</u>	4420562	3	$\underline{L}1$

END OF SEARCH HISTORY

Hit List

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 10 of 18 returned.

1. Document ID: US 20030119084 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 18

File: PGPB

Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030119084

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030119084 A1

TITLE: Variants of Erwinia-type creatinase

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Shao, Zhixin Penzberg DE
Schmuck, Rainer Benediktbeuern DE
Kratzsch, Peter Antdorf DE
Kenklies, Janet Penzberg DE
Weisser, Harald Bernried DE

US-CL-CURRENT: 435/18; 435/227, 435/252.3, 435/320.1

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

2. Document ID: US 6080553 A

L4: Entry 2 of 18

File: USPT

Jun 27, 2000

US-PAT-NO: 6080553

DOCUMENT-IDENTIFIER: US 6080553 A

TITLE: Creatine amidinohydrolase, production thereof and use thereof

3. Document ID: US 5932466 A

L4: Entry 3 of 18

File: USPT

Aug 3, 1999

h eb bgeeef eb ef be

US-PAT-NO: 5932466

DOCUMENT-IDENTIFIER: US 5932466 A

** See image for Certificate of Correction **

TITLE: Creatine amidinohydrolase gene, a novel recombinant DNA, and a process for producing creatine amidinohydrolase

Full Title Citation Front Review Classification Date Reference Claims KNMC Draw De Claims A Document ID: US 5451520 A

L4: Entry 4 of 18 File: USPT Sep 19, 1995

US-PAT-NO: 5451520

DOCUMENT-IDENTIFIER: US 5451520 A

TITLE: Creatine amidinohydrolase from alkaligenes sp. ks-85 ferm bp-4487

Full Title Citation Front Review Classification Date Reference Claims KWC Draw De

L4: Entry 5 of 18

File: USPT

Sep 10, 1991

US-PAT-NO: 5047329

DOCUMENT-IDENTIFIER: US 5047329 A

TITLE: Method for the measurement of creatine or creatinine and reagents for these

measurements

Full Title Citation Front Review Classification Date Reference Claims KWC Draws De

File: USPT

US-PAT-NO: 4039384

DOCUMENT-IDENTIFIER: US 4039384 A

L4: Entry 6 of 18

TITLE: Creatinine amidohydrolase and creatine amidinohydrolase and process for

producing them

Full Title Citation Front Review Classification Date Reference Claims NV/C Draw De

L4: Entry 7 of 18 File: JPAB

Aug 19, 1997

Aug 2, 1977

PUB-NO: JP409215494A

DOCUMENT-IDENTIFIER: JP 09215494 A

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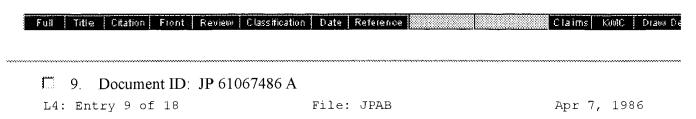
TITLE: NEW CREATINE AMIDINOHYDROLASE, ITS PRODUCTION AND ITS USE



PUB-NO: JP407170979A

DOCUMENT-IDENTIFIER: JP 07170979 A

TITLE: NEW CREATINE AMIDINOHYDROLASE AND ITS PRODUCTION



PUB-NO: JP361067486A

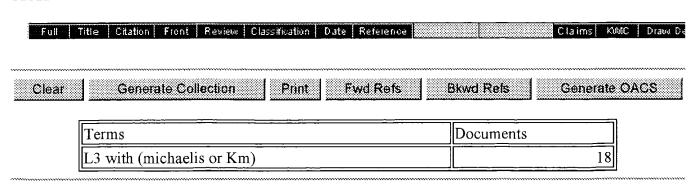
DOCUMENT-IDENTIFIER: JP 61067486 A TITLE: NOVEL CREATINE AMIDINOHYDROLASE

Full Title Citation Front Review Classific.	ation Date Reference	Claims KMC Draw De
10. Document ID: JP 61067485	5 A	
L4: Entry 10 of 18	File: JPAB	Apr 7, 1986

PUB-NO: JP361067485A

DOCUMENT-IDENTIFIER: JP 61067485 A

TITLE: PREPARATION OF CREATINE AMIDINOHYDROLASE





Hit List

Clear Generate Collection Print Fwd Refs Bkwd Refs
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Search Results - Record(s) 11 through 18 of 18 returned.

11. Document ID: JP 61067484 A

Using default format because multiple data bases are involved.

L4: Entry 11 of 18

File: JPAB

Apr 7, 1986

PUB-NO: JP361067484A

DOCUMENT-IDENTIFIER: JP 61067484 A

TITLE: PREPARATION OF CREATINE AMIDINOHYDROLASE

PUBN-DATE: April 7, 1986

INVENTOR-INFORMATION:

NAME

COUNTRY

KIKUCHI, TOSHIRO TAKENAKA, HARUO AISUI, SHIGENORI

US-CL-CURRENT: 435/228INT-CL (IPC): C12N 9/80

Full Title Citation Front Review C	lassification Date Reference	Claims KWC Draw De
12. Document ID: EP 113	2467 A2	
L4: Entry 12 of 18	File: EPAB	Sep 12, 2001

PUB-NO: EP001132467A2

DOCUMENT-IDENTIFIER: EP 1132467 A2

TITLE: Novel creatine amidinohydrolase, production thereof and use thereof

Full Title Citation Front Review Classification	Date Reference	Claims KWC Draw De
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13. Document ID: EP 790303 A1		
L4: Entry 13 of 18	File: EPAB	Aug 20, 1997

PUB-NO: EP000790303A1

DOCUMENT-IDENTIFIER: EP 790303 A1

TITLE: Novel creatine amidinohydrolase, production thereof and use thereof

Jul 27, 1988

Full Title Chation Front Review Classification Date Reference Claims KMC Draw Do

DERWENT-ACC-NO: 1997-404731

DERWENT-WEEK: 200172

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TITLE: Creatine amidinohydrolase enzyme with low Km - for use in assay for creatine

Full Title Citation Front Review Classification Date Reference Claims KMC Draw De Claims NMC Draw De Claims NMC De Claims N

DERWENT-ACC-NO: 1995-388685

DERWENT-WEEK: 200065

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TITLE: Creatine amidino:hydrolase - catalyses conversion of creatine to sarcosine and urea

Full Title Citation Front Review Classification Date Reference Claims KNNC Draw De Claims NNC Draw De Claims

DERWENT-ACC-NO: 1995-225787

DERWENT-WEEK: 199838

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TITLE: New creatine amidinohydrolase enzyme from Alcaligenes - useful for determn. of creatine and/or creatinine

Full Title Citation Front Review Classification Date Reference Claims KWC Draw 9:

File: DWPI

DERWENT-ACC-NO: 1988-252622

L4: Entry 17 of 18

DERWENT-WEEK: 198836

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TITLE: Determining creatine or creatinine - using creatine amidino-hydrolase, by

h e b b cg b cc e

enzymatically decomposing N-ethyl glycine and treating with sarcosine oxidase

Full	Title Citation Front F	Review Classification	Date Reference		Claims	KUMC	Drawa De
	18. Document ID:						
	008394 B, JP 77008395			D, VI 0111010111, 01		, -	
L4	: Entry 18 of 18		File: DWPI		oct 7,	1976	6

DERWENT-ACC-NO: 1976-77945X

DERWENT-WEEK: 197642

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TITLE: Creatine amid (in)hydrolase enzyme - obtd from strains of Flavobacterium,

Micrococcus or Corynebacterium

Full Title Citation	Front Review Classification Dat	te Reference	Claims KMC Draw De
			······
	ate Collection Print	Fwd Refs Bkwd Refs	Generate OACS
Terms		Documents	
L3 with (m	ichaelis or Km)		18

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(11) **EP 1 132 467 A2**

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication: 12.09.2001 Bulletin 2001/37

(51) Int CI.7: **C12N 9/78**, C12N 9/80, C12Q 1/34

(21) Application number: 01113052.3

(22) Date of filing: 13.02.1997

(84) Designated Contracting States: **DE FR GB IT**

(30) Priority: 13.02.1996 JP 2543596

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 97102270.2 / 0 790 303

(71) Applicant: Toyo Boseki Kabushiki Kaisha Osaka-shi, Osaka 530-8230 (JP)

(72) Inventors:

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 Kawamura, Yoshihisa, c/oToyo Boseki Kabushiki K. Tsuruga-shi, Fukui 914 (JP)

(74) Representative: Helbing, Jörg, Dr. Dipl.-Chem. et al Patentanwälte von Kreisler-Selting-Werner, Postfach 10 22 41

50462 Köln (DE)

Remarks:

•The biological material has been deposited with NIBH under number(s) BP-5374,BP-5375, BP-5376
•This application was filed on 29 - 05 - 2001 as a divisional application to the application mentioned under INID code 62.

(54) Novel creatine amidinohydrolase, production thereof and use thereof

(57) A creatine amidinohydrolase having the following physicochemical properties:

Action: catalyzing the following reaction;

creatine + H2O -> sarcosine + urea

Optimum temperature: about 40 - 50°C Optimum pH: pH about 8.0 - 9.0 Heat stability: not more than about 50°C (pH 7.5, 30 min)
Km value for creatine in a coupling assay using a sarcosine oxidase and a peroxidase: about 3.5 -

10.0 mM Molecular weight: about 43,000 (SDS-PAGE) Isoelectric point: about 3.5, a method for producing said enzyme, comprising culture of microorganism producing said enzyme, a method for the determination of creatine or creatinine in a sample using said enzyme, and a reagent therefor. According to the present invention, a creatine amidinohydrolase having a smaller Km value than that of the conventionally known creatine amidinohydrolase can be produced in an industrially large amount, and can be used as a routine reagent for clinical tests for determining creatine and creatinine in biological samples.

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